DENSO

Member of the TOYOTA Group

HANDHELD TERMINAL
BHT-1700
SERIES

Driven by quality.

Maximise your
standards.

Maximises your options:
the BHT-1700 with 4˝ mega display.

At DENSO, progress starts by asking questions:
How big can the display of a terminal with keyboard really be?

The answer is the new maximum from DENSO: the BHT-1700 Android handheld with 4˝ mega display. To maximise your options, it combines two worlds. Scan using its extra-large touchscreen, control apps or make phone calls. Or use the keyboard to ergonomically register or order goods.

In future, the choice is yours. So why make compromises? The quality of the BHT-1700 is uncompromising anyway. **Typical DENSO.**

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Original size

BIGGER:
4˝ mega display puts it at the maximum limit for a terminal with keyboard.

4,0˝

MORE ERGONOMIC:
Natural hand position thanks to the angled scan head – display always in view.

TOUGHER:
Display with crack-resistant Asahi Dragontrail™ Pro glass – one of the best in the industry.

FASTER:
Shorter scanning times with individually configurable, side-mounted, quick-access magic keys for frequent functions.

MORE UP-TO-DATE:
Running Android 7.1.2 (Nougat).

Reduces your processes to a minimum:
the application areas.

There are six models to choose from.

Each configured to speed up your processes to the max – from the receipt of goods to inventory. The big display shows you all important data at a glance – for greater transparency and shorter response times. Handling is massively simplified. The range of applications is wide-ranging.
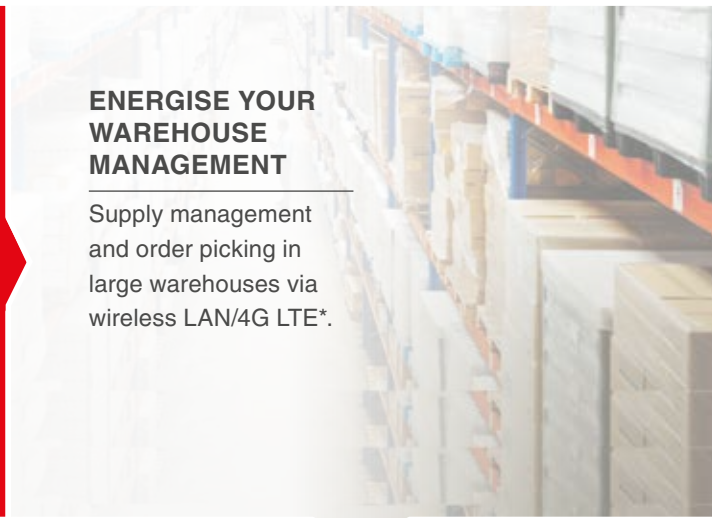
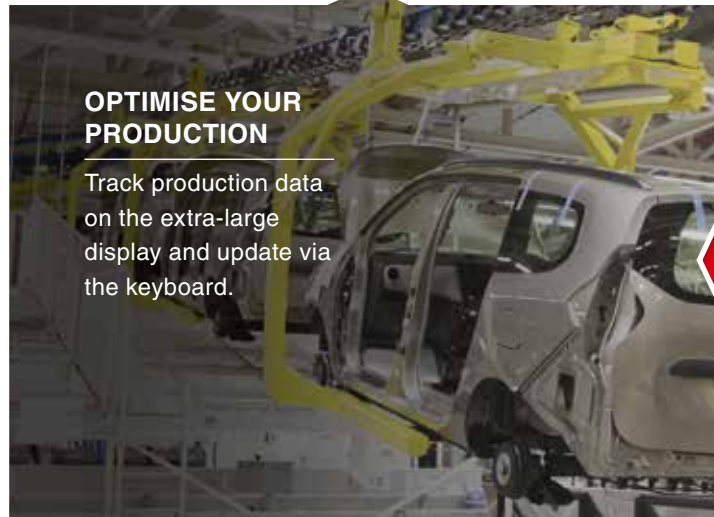## These are just a few examples of its wide range of applications.

ENERGISE YOUR WAREHOUSE MANAGEMENT
Supply management and order picking in large warehouses via wireless LAN/4G LTE*.

OPTIMISE YOUR PRODUCTION
Track production data on the extra-large display and update via the keyboard.

ACCELERATE RACK MANAGEMENT
View large volumes of items and large orders on the display and forward them using a magic key.

* depending on model

Great in every detail:
the technical highlights.

It's the multitude of features and refinements that makes the BHT-1700 the new dimension for your business. **The technical details:**

Reads 1D and 2D codes and NFC cards*

from 30 mm – even if they're damaged. OCR is also supported.

Full connectivity

wireless LAN, 4G LTE and VoLTE, USB 2.0, Bluetooth 4.1 EDR/LE*.

Long Range function with GunGrip

enables non-stop scanning from a distance of up to 10 m*.

10 metres

GPS (A-GPS/GLONASS)

for faster localization and tracking.

App blocker

allows access to enterprise-relevant applications only.

8 MP rear camera with autofocus

e.g. for documenting damaged deliveries.

Separate CPU

for non-stop scanning even when the central processor is running at full capacity.

Supports Google Mobile Services.

Smarter communication

on the phone, online, using apps, sending text messages, taking photos and much more.

nano-SIM 2 slots

one card for data communication, one for telephoning.

Quite simply DENSO quality.
After all, you deserve better.

The BHT-1700 has passed all DENSO endurance tests and stands for quality beyond the norm. And we don't just claim this, we guarantee it.

3 YEAR warranty

Battery life

perfect for long working hours.

Works at extreme temperatures from **-20° to +50° Celsius.**

2.50 metres

Survived umpteen fall tests

from heights of up to 2.5 m.

Touchscreen easy to use

with wet fingers, gloves or a pen.

Ultra-lightweight:

only 298 g (1D model); max. 438 g (Long Range model).

IP67-certified

protection against water and dust.

FIND THE SIZE THAT SUITS YOU:
six models to choose from.

What challenge can the BHT-1700 help you with?
The variety of models ranges from the entry-level version with all the key functions to the high-end product with the complete functional spectrum from autofocus camera to GunGrip.

Type	1D	2D	Long Range (GunGrip)	LTE	Camera rear	NFC
BHT-1700QWBG-1-A7 (Standard)	✓	✓		✓		
BHT-1700QWBG-2-A7 (Optional)	✓	✓		✓	✓	✓
BHT-1700QWB-1-A7 (Standard)	✓	✓				
BHT-1700QWB-2-A7 (Optional)	✓	✓			✓	✓
BHT-1700BWB-1-A7 (Standard)	✓					
BHT-1700QLWB-P-A7 (Standard)	✓	✓	✓			

BHT-1700 SERIES

Model	BHT-1700 QWBG-1-A7	BHT-1700 QWBG-2-A7	BHT-1700 QWB-1-A7	BHT-1700 QWB-2-A7	BHT-1700 QLWB-P-A7	BHT-1700 BWB-1-A7
OS			Android 7.1.2 (Nougat)			
CPU			1.3 GHz Quad-core			
Memory — RAM			2 GB			
Memory — Flash ROM			16 GB			
Display — Number of dots*1			4.0 inch WVGA (480x800 pixels)			
Display — Display system			Liquid crystal dot matrix display (colour)			
Display — Backlight			White LED			
Scanner — Reading system			Area sensor		Autofocus-area sensor	Advanced Scan Plus (CCD)
Scanner — Readable codes — 2D codes			QR Code, PDF417, MicroPDF417, MaxiCode, DataMatrix (ECC200), GS1 Composite			–
			MicroQR Code, SQRC®		–	
Scanner — Readable codes — 1D codes			EAN-13/8(JAN-13/8), UPC-A/E, UPC/EAN (with add-on), Interleaved 2 of 5 (ITF), Standard 2 of 5 (STF), CODABAR (NW-7), CODE39, CODE93, CODE128, GS1-128 (EAN-128), GS1 DataBar (RSS)			
Scanner — Minimum resolution — 2D codes			0.167 mm		0.25 mm	–
Scanner — Minimum resolution — 1D codes			0.125 mm		0.15 mm	0.125 mm
Scanner — Scanning reference position			100 mm			
Scanner — Marker			Area guide marker		Cross guide marker	–
Scanner — Scan confirmation			Visual (green LED), acoustic (speaker), and haptic (vibration)			
Keypad — Number of keys			31 keys (including power key)			
			+ 3 trigger keys		+ 4 trigger keys	+ 3 trigger keys
Touch panel			Asahi Dragontrail™ Pro - wet touch / gloved fingertip / stylus			
GPS			A-GPS/GLONASS			
Communication — Wireless LAN*2 — Compatible standards			IEEE802.11a/b/g/n compliant			
Communication — Wireless LAN*2 — Frequency band			IEEE802.11a/n: 5.2 GHz, 5.3 GHz, 5.6 GHz band, IEEE802.11b/g/n: 2.4 GHz band			
Communication — Wireless LAN*2 — Transmission distance*3			IEEE802.11a: indoors = approx.50m, IEEE802.11b/g/n: indoors = approx.75m, outdoors = approx.200m			
Communication — Wireless LAN*2 — Transmission speed*3			IEEE802.11b: 11/5.5/2/1 Mbps, IEEE802.11a/g: 54/48/36/24/18/12/9/6 Mbps, IEEE802.11n: 65/58.5/52/39/26/19.5/13/6.5 Mbps			
Communication — Wireless LAN*2 — Access method			Infrastructure mode			
Communication — Wireless LAN*2 — Security			Encryption: WEP(40/128)/TKIP/AES, WPA authentication: WPA/WPA2, User authentication: PSK/EAP-TLS/PEAP			
Communication — Wireless WAN — Compatible standards			4G LTE / 3G / GSM, VoLTE		–	
Communication — Bluetooth®			V4.1+EDR/LE (Compatible Profile:GAP/SDAP/HSP/SPP/GOEP/OPP/HFP(AG1.5)/PAN/A2DP/ AVRCP/GAVDP/HID/PBAP/HOGP/MAP/GATT)			
Communication — USB (DNWA Connector)			USB 2.0			
Card slot			Micro SDHC and SDXC, microSIM x2			
Power supply — Power (standard / extended)			Lithium-ion battery 2300 mAh (BT-110LA) / 3450 mAh (BT-110L)			
Power supply — Operating time*4 — Standard battery			12 hours*5	22 hours*6	20 hours*6	22 hours*6
Power supply — Operating time*4 — High capacity battery			18 hours*5	33 hours*6	30 hours*6	33 hours*6
NFC	–	yes	–	yes	–	
Camera (Autofocus)	–	Rear: 8MP	–	Rear: 8MP	–	
Environmental requirements — Operating temperature*7			-20° to 50° C			
Environmental requirements — Protection rating			IP67			
Environmental requirements — Drop resistance*8			1.5 m x 180 times, 2.5 m		1.2 m x 60 times, 2 m	1.5 m x 60 times, 2.5 m
Weight (incl. standard battery)			Approx. 308 g		Approx. 438 g	Approx. 298 g

*1: Although the effective number of picture elements is more than 99.99% thanks to high-precision technologies used to manufacture LCDs, allow the possibility of some elements, less than 0.01%, that are missing or permanently turned on. *2: IEEE802.11a:5.2 GHz (W52) and 5.3 GHz (W53) are for indoor use only. *3: The communication distance and transmission speed shown are reference values, and may vary depending on the actual environmental conditions. *4: The described operating time is a reference figure under regular temperatures and may vary depending on usage conditions. *5: Scanning: scan update: standby = 1:30:270. Data is transmitted via wireless WAN during scan display. *6: Scanning: wireless communication: screen update: standby = 1:5:1:60. The vibrator and buzzer are disabled. The wireless function is always enabled, and all other functions are disabled. *7: Zero to 40°C when batteries are being recharged. *8: Result obtained in a test under regular temperature is shown and not meant as a guarantee.

ACCESSORIES (separately sold)

Communication / Charger

- CU-BU1-17 (USB cradle incl. 1 slot unit-/ battery charger)
- CU-BL1-17 (LAN cradle incl. 1 slot unit-/ battery charger)
- CH-B4-17 (4 slot unit charger)
- CH-1104 (4 slot battery charger)
- CBBHT-US2000/C17-4A (USB Direct cable)

Batteries

- BT-170LA-C (Standard with cover)
- BT-170L-C (High-capacity with cover)
- BT-110LA (Standard)
- BT-110L (High-capacity)

Car Cradle

- CH-1771 (under development)

⬛⬇ Items with this mark are available from the DENSO WAVE website (QBdirect) free of charge.

COMPONENTS

- Main unit
- Hand belt (for normal grip)
- Hand strap (for GunGrip)
- Stylus pen
- Operator's guide ⬛⬇

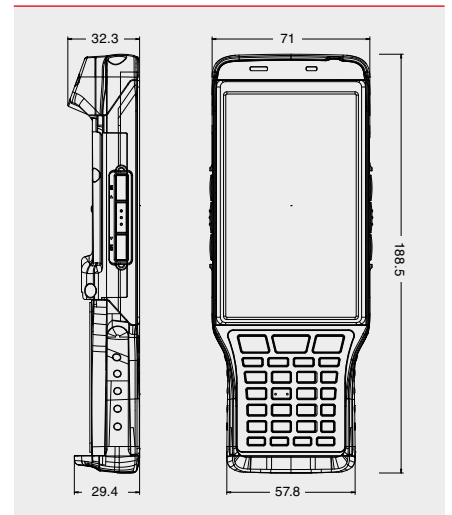## SOFTWARE

Software (pre-installed)

- Scanner configuration tool [Scanner Setting]
- Software trigger key [Touch Trigger]
- Application management tool [Application Launcher]
- HTML5 capable custom browser [Android Browser for BHT-1700]
- BHT setting tool [BhtShell]
- Wi-Fi setting and site survey [WlanManager]
- Device management software [BHT-DMS Client]*
- OCR scanning software [OCR reader]*
- QR Code/SQRC® scanning app [QR Code reader Q installer]

*Software available with payment of a fee. A license fee is separately charged for its use.

Development Tool

- Software Development Kit for Android (SDK) dedicated for the BHT-1700 series. ⬛⬇

DIMENSIONS

32.3 — 71 — 188.5 — 29.4 — 57.8

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